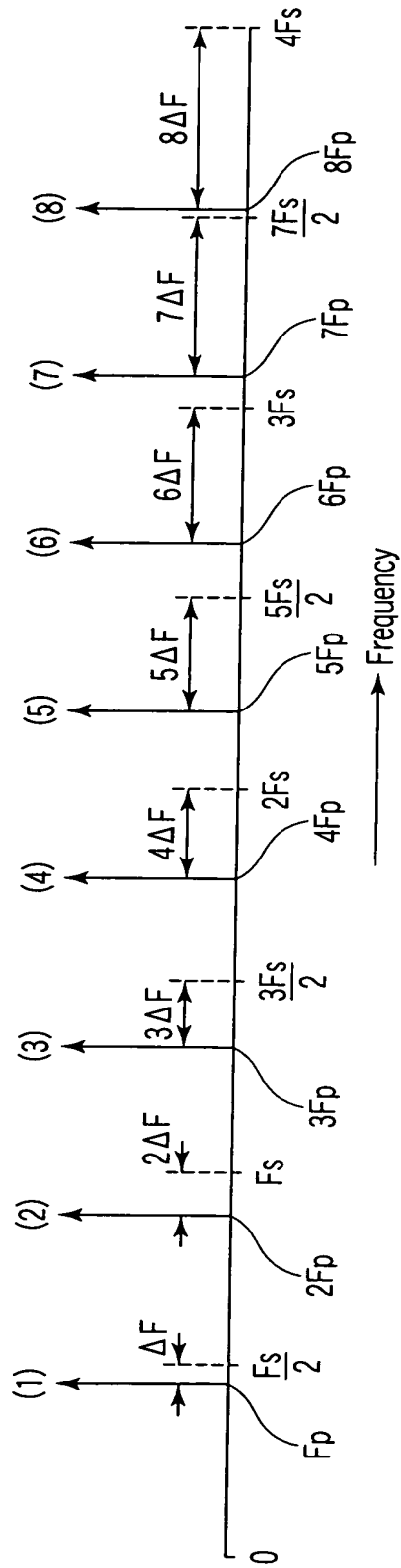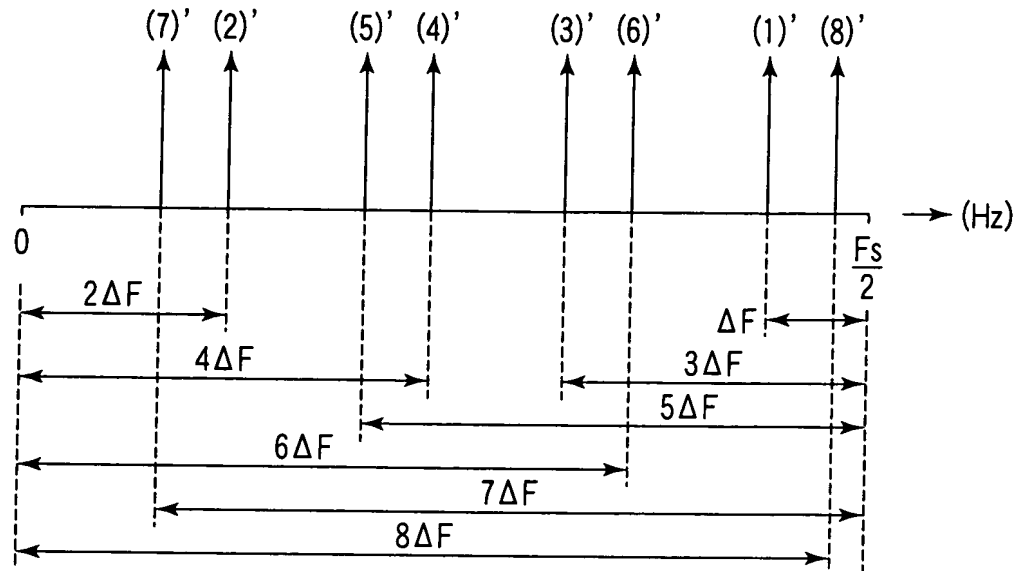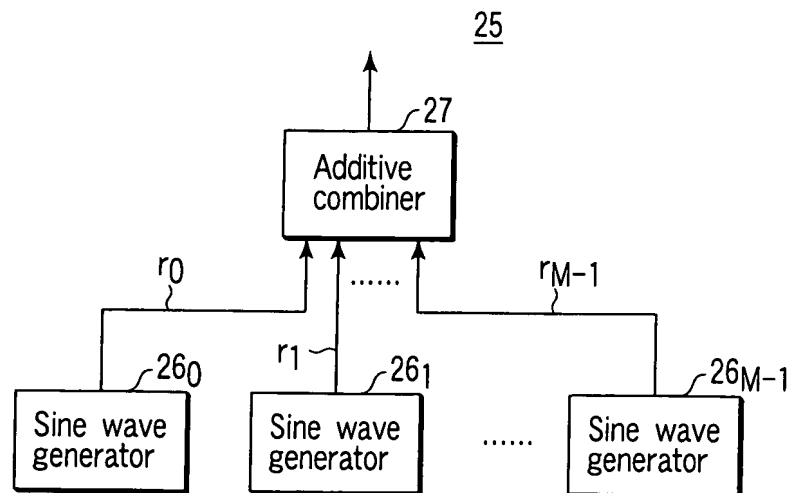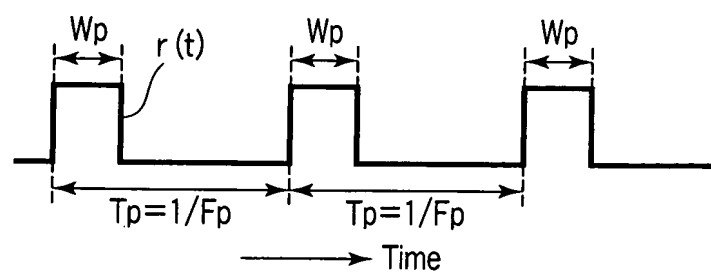F I G. 1

F I G. 2

F I G. 3A

F I G. 3B

F I G. 4

FIG. 5A
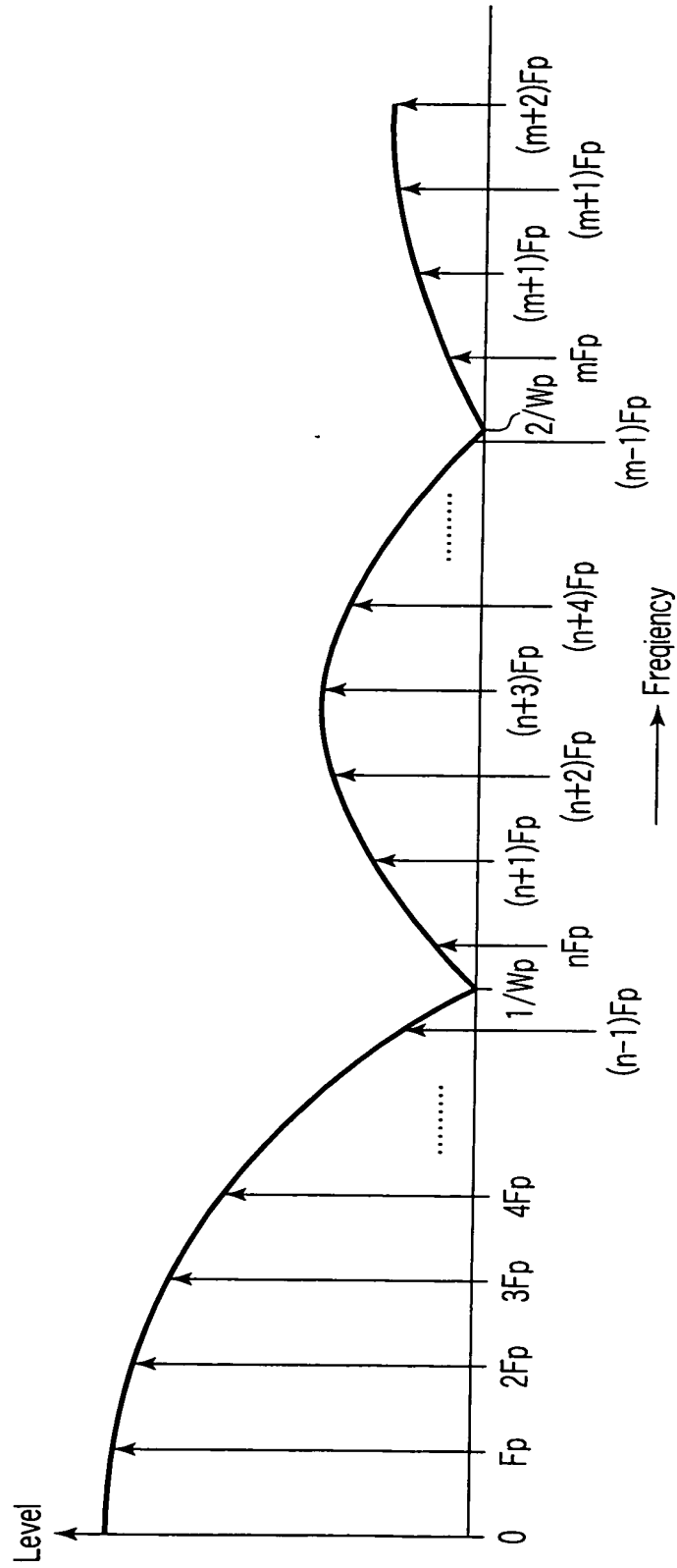
F I G. 5B

FIG.6

FIG.7

FIG. 8

FIG.9
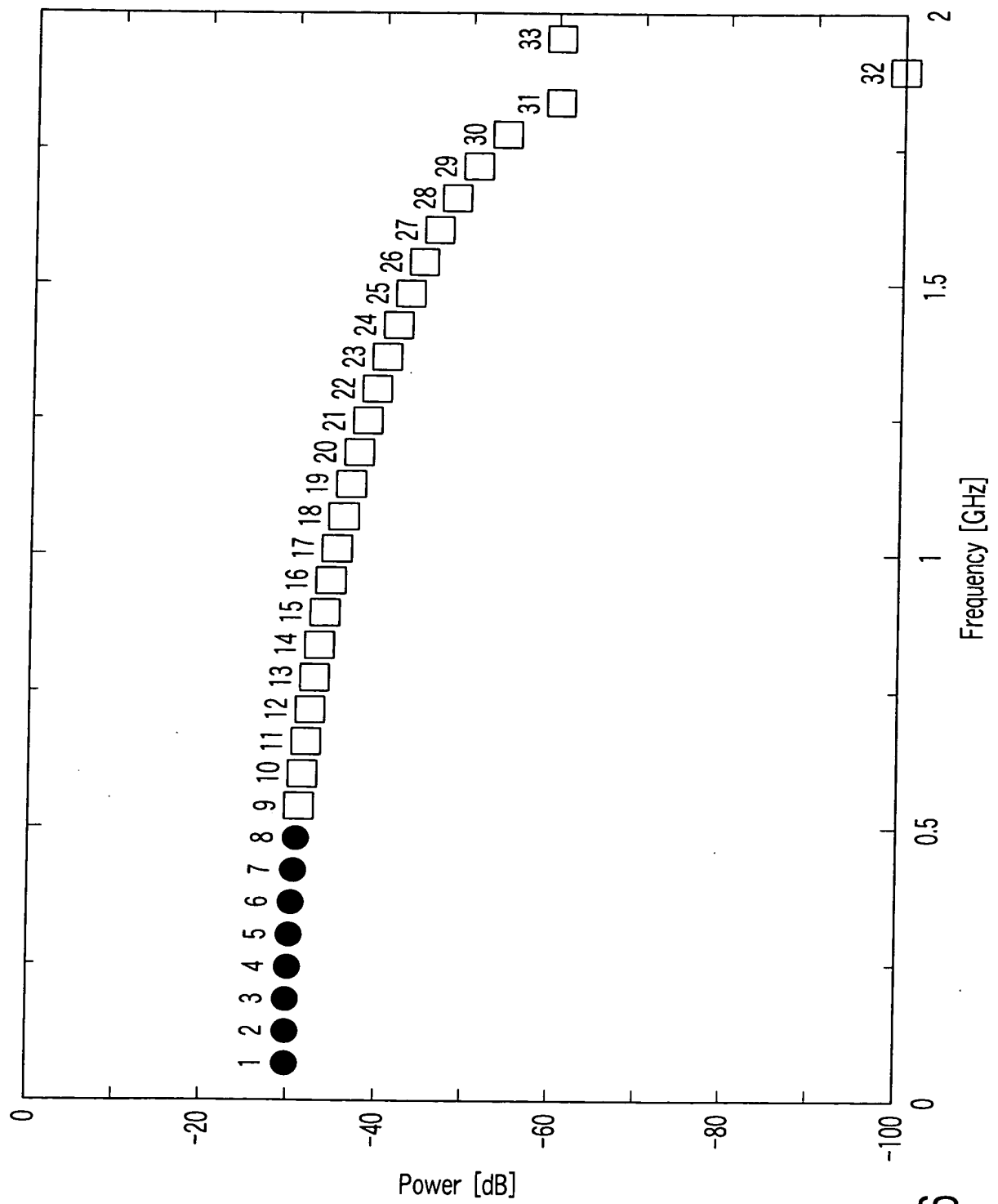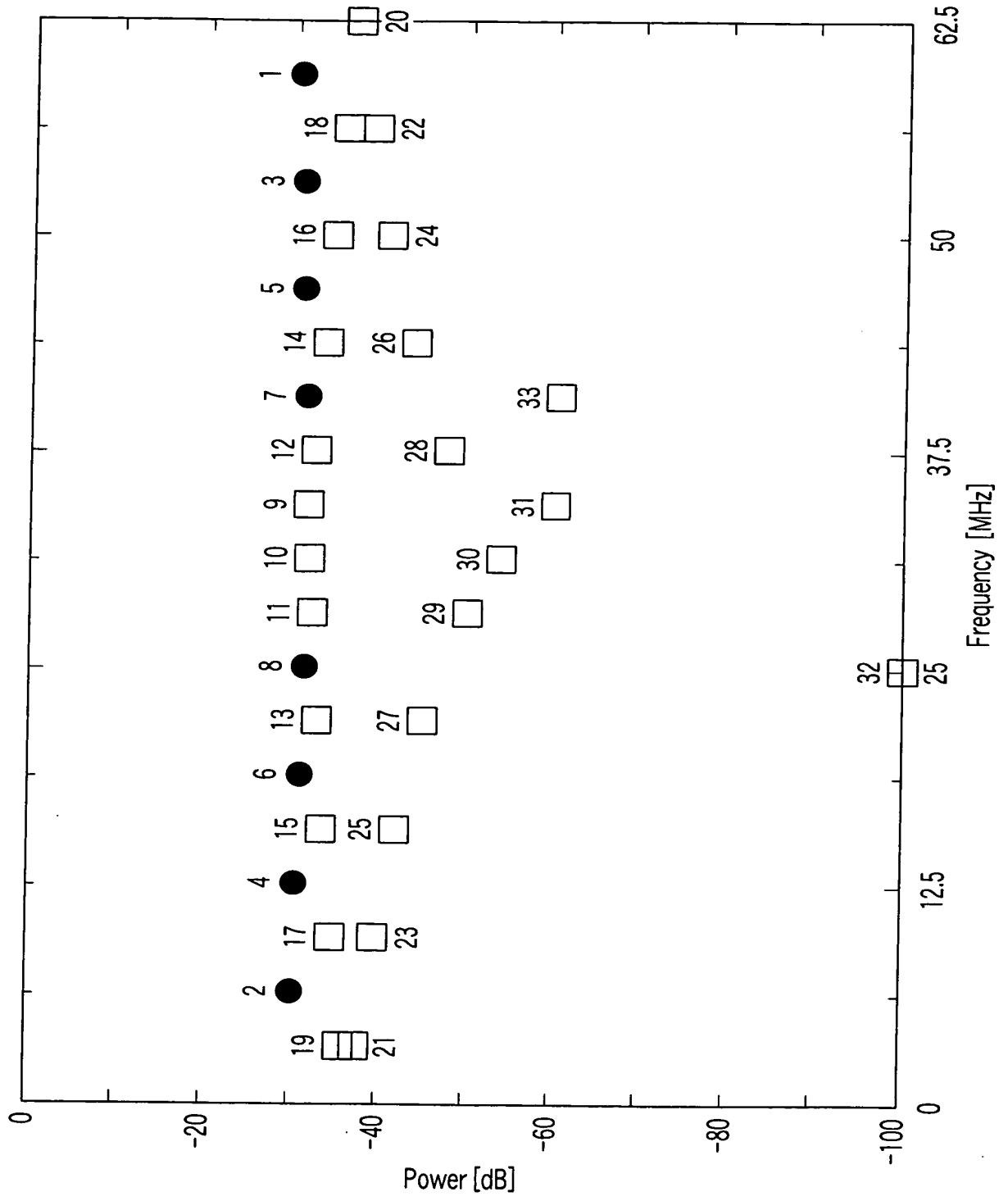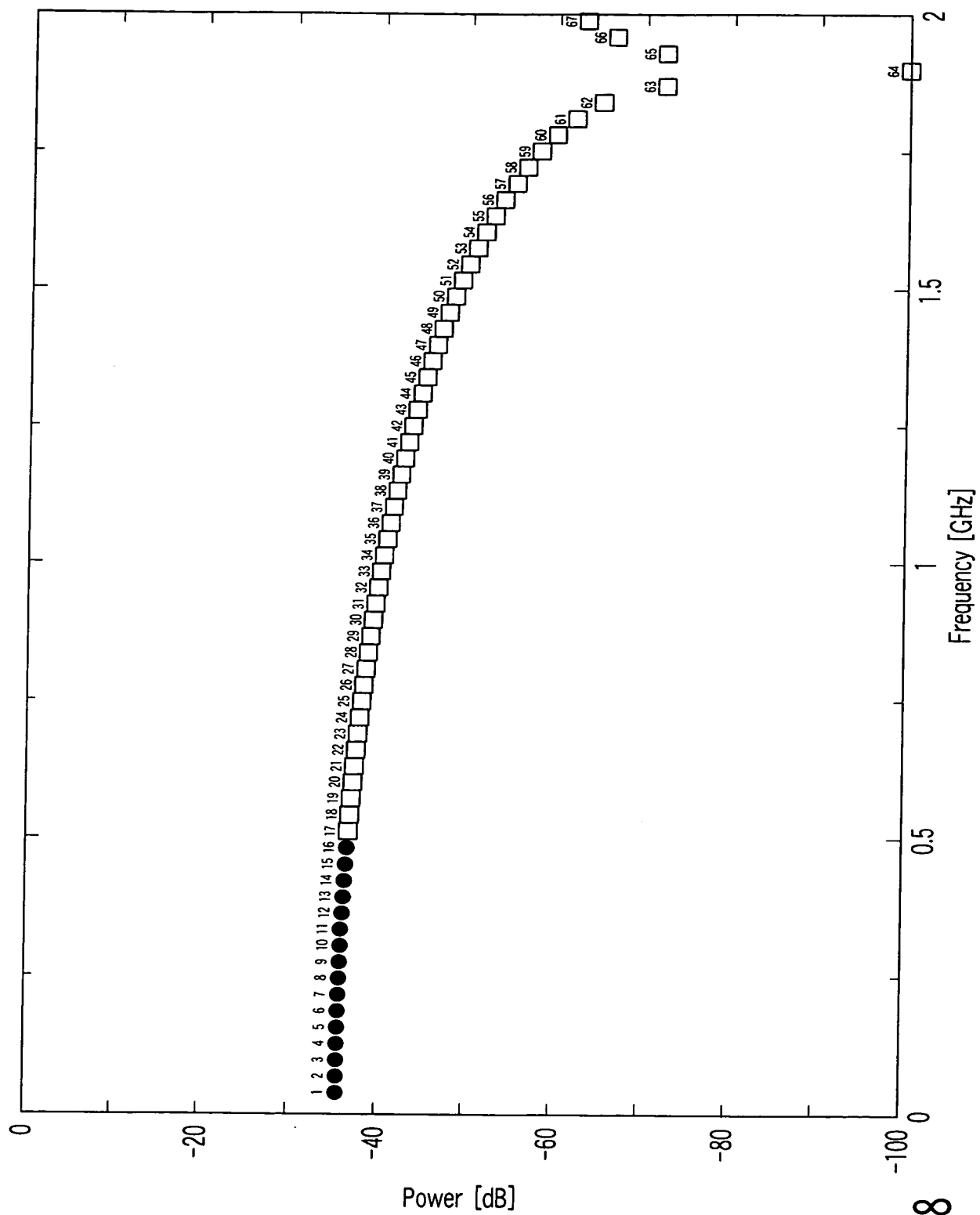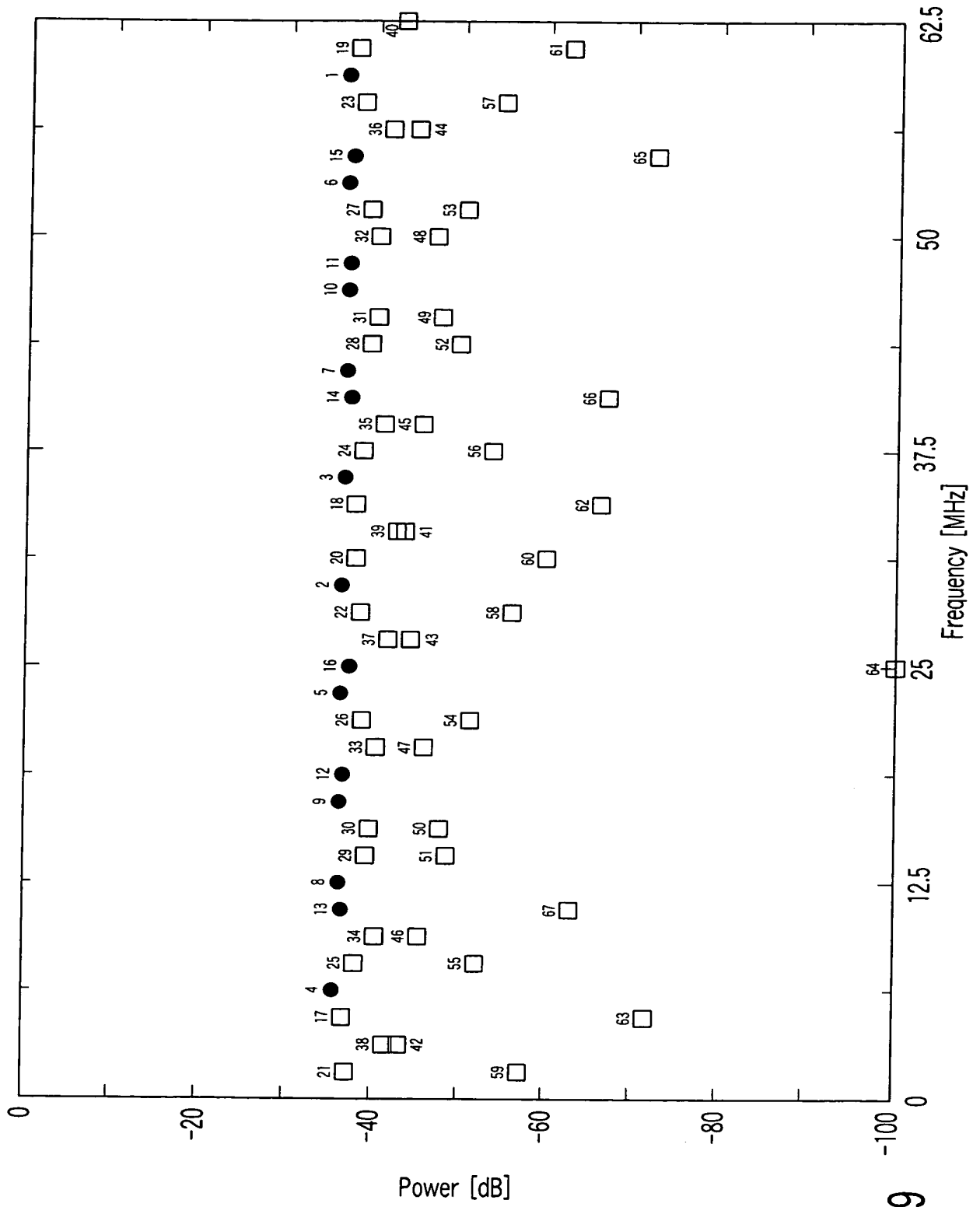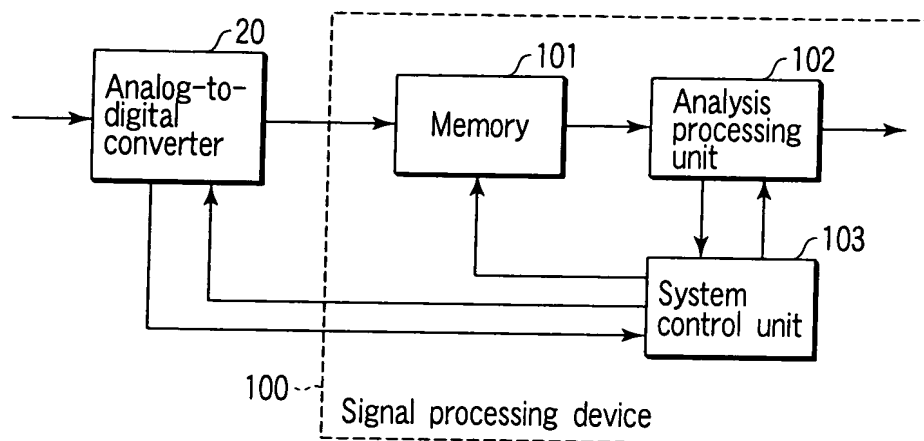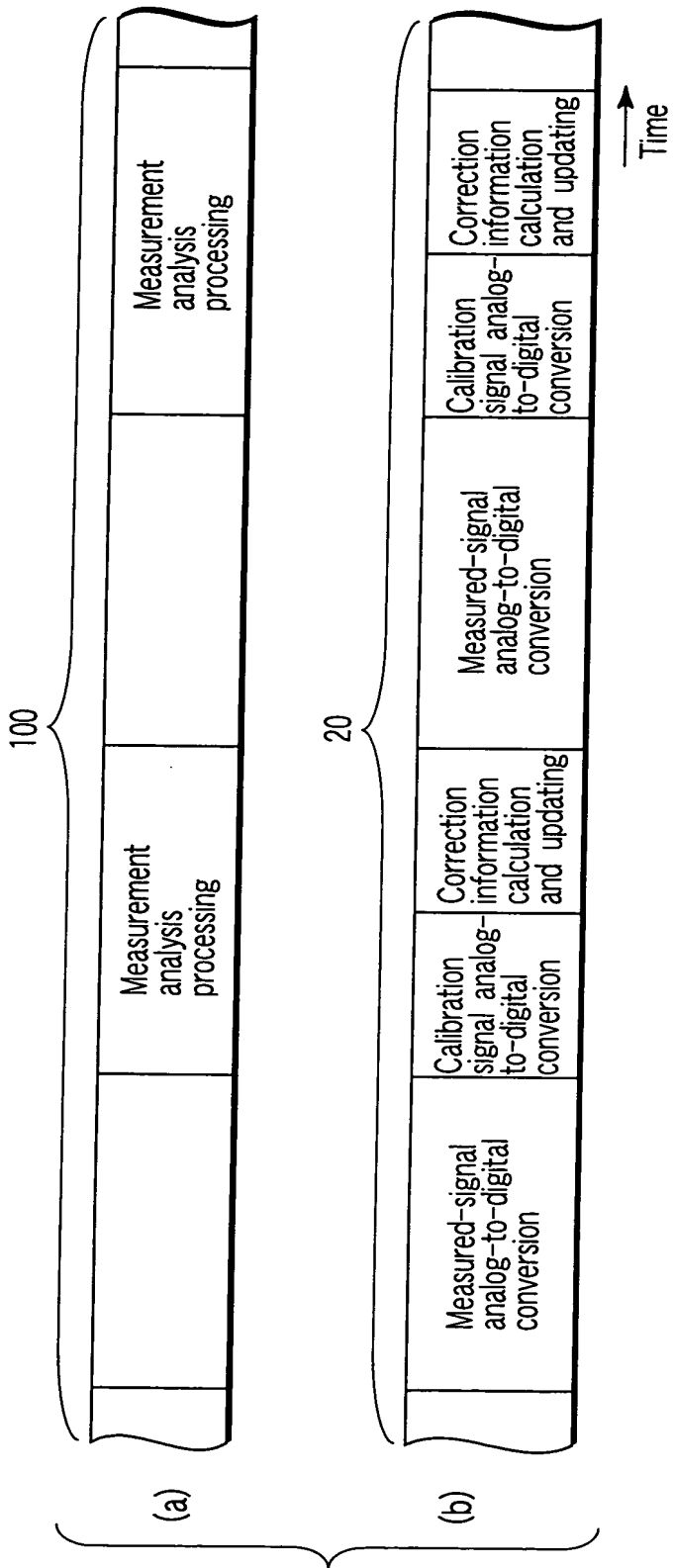
F I G. 10A

F I G. 10B
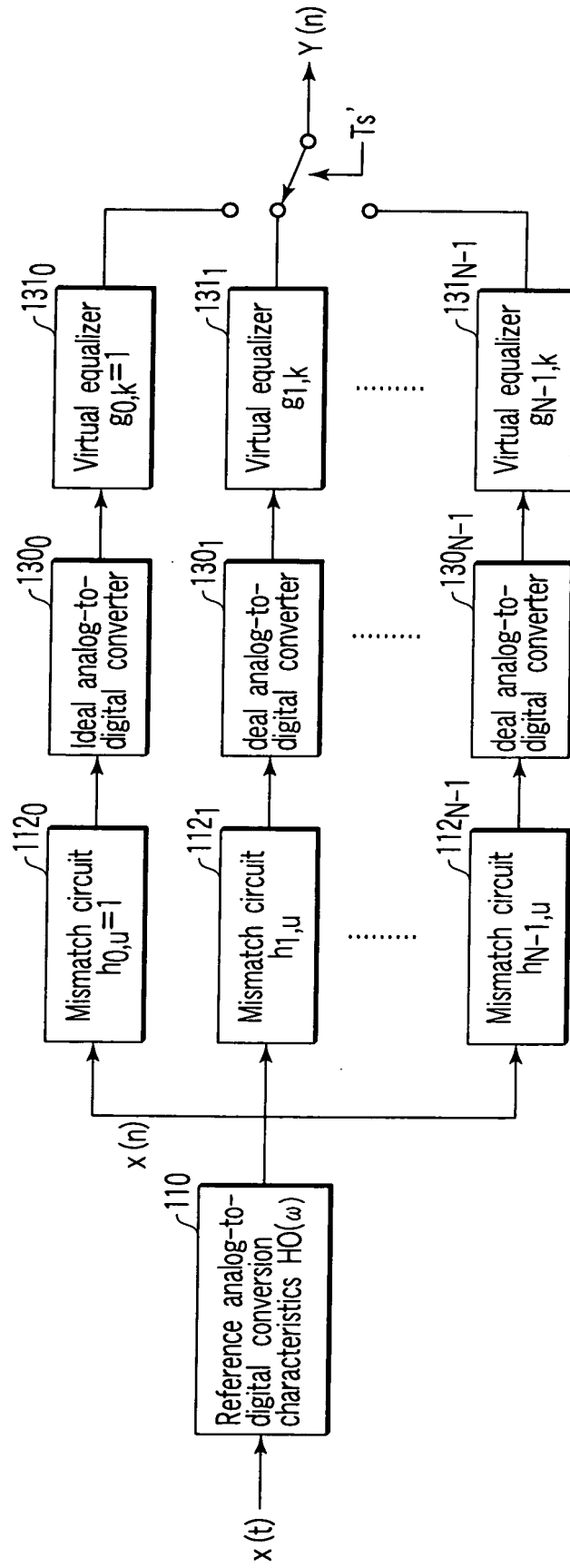
F I G. 11
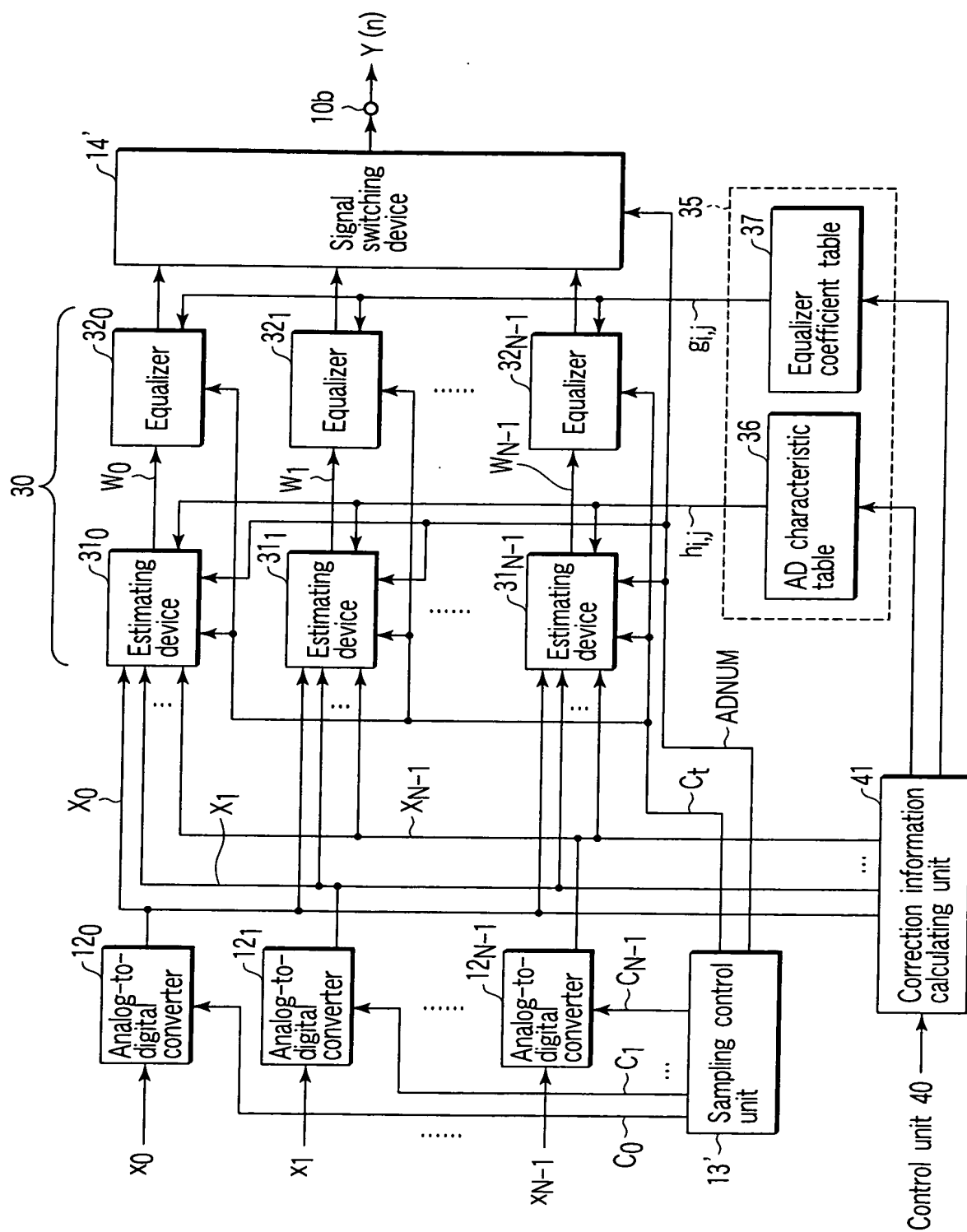
F I G. 12

i \ j	−1	0	1
0	$h_{0,-1}$	$h_{0,0}$	$h_{0,1}$
1	$h_{1,-1}$	$h_{1,0}$	$h_{1,1}$
2	$h_{2,-1}$	$h_{2,0}$	$h_{2,1}$
⋮	⋮	⋮	⋮
N−1	$h_{N-1,-1}$	$h_{N-1,0}$	$h_{N-1,1}$

F I G. 13

i \ j	M1	⋯	−1	0	1	⋯	M2
0	$g_{0,M1}$	⋯	$g_{0,-1}$	$g_{0,0}$	$g_{0,1}$	⋯	$g_{0,M2}$
1	$g_{1,M1}$	⋯	$g_{1,-1}$	$g_{1,0}$	$g_{1,1}$	⋯	$g_{1,M2}$
2	$g_{2,M1}$	⋯	$g_{2,-1}$	$g_{2,0}$	$g_{2,1}$	⋯	$g_{2,M2}$
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
N−1	$g_{N-1,M1}$	⋯	$g_{N-1,-1}$	$g_{N-1,0}$	$g_{N-1,1}$	⋯	$g_{N-1,M2}$

F I G. 14

F I G. 15

$$F I G. 16$$

Magnitude

Error E (n)

Signal Y (n)

→ t

F I G. 17A

Magnitude

Error E (n)

Signal Y (n)

→ t
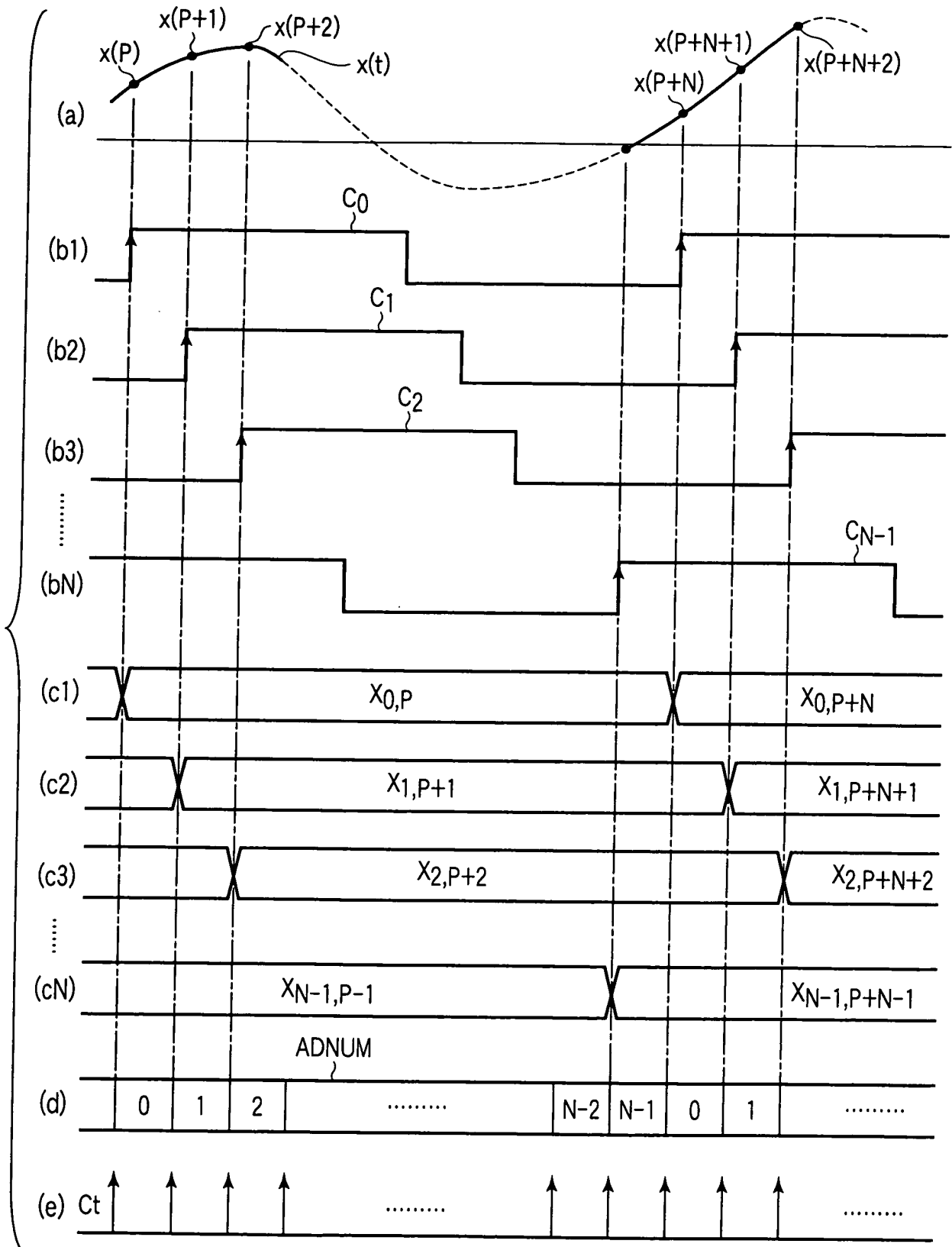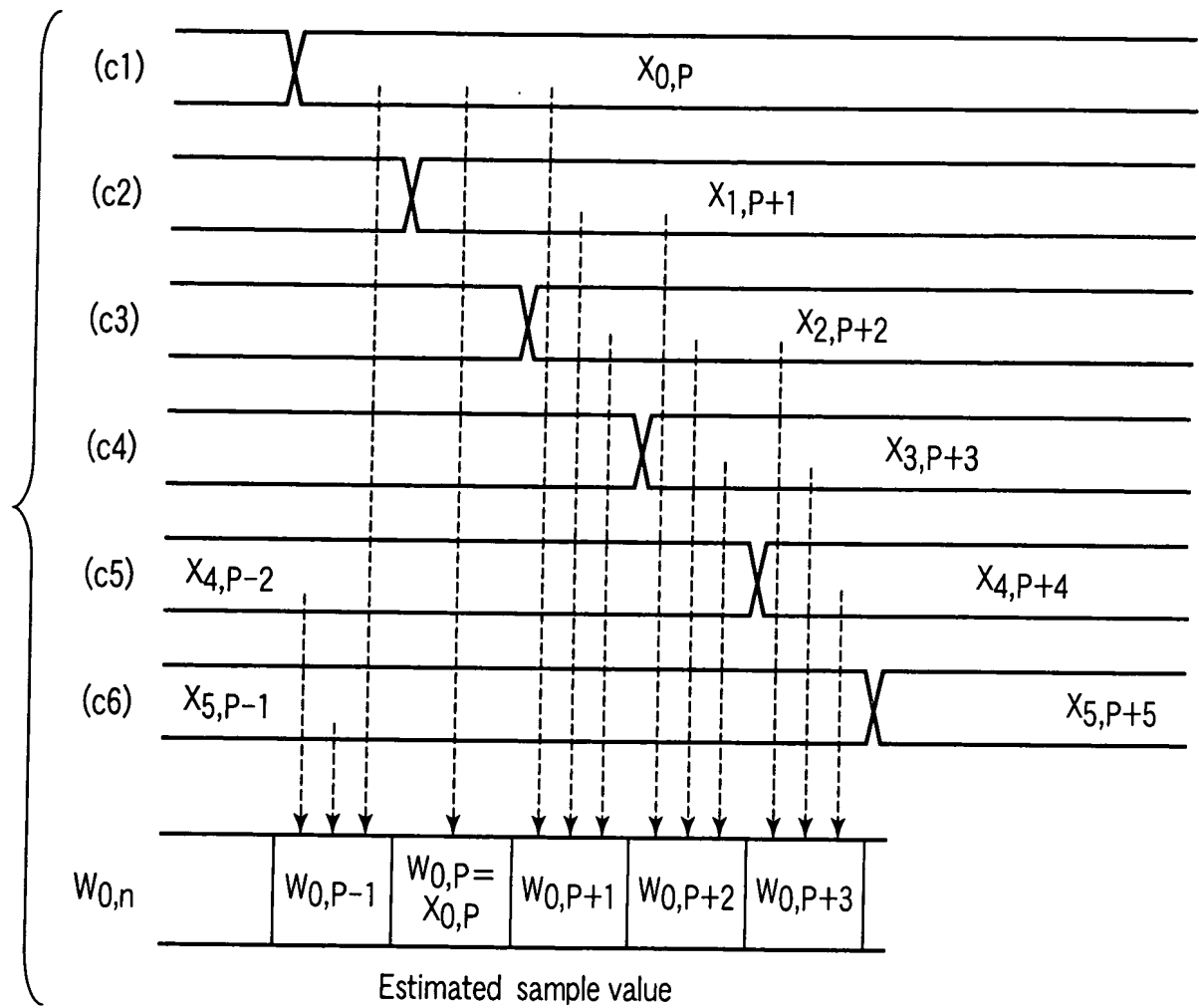
F I G. 17B (PRIOR ART)

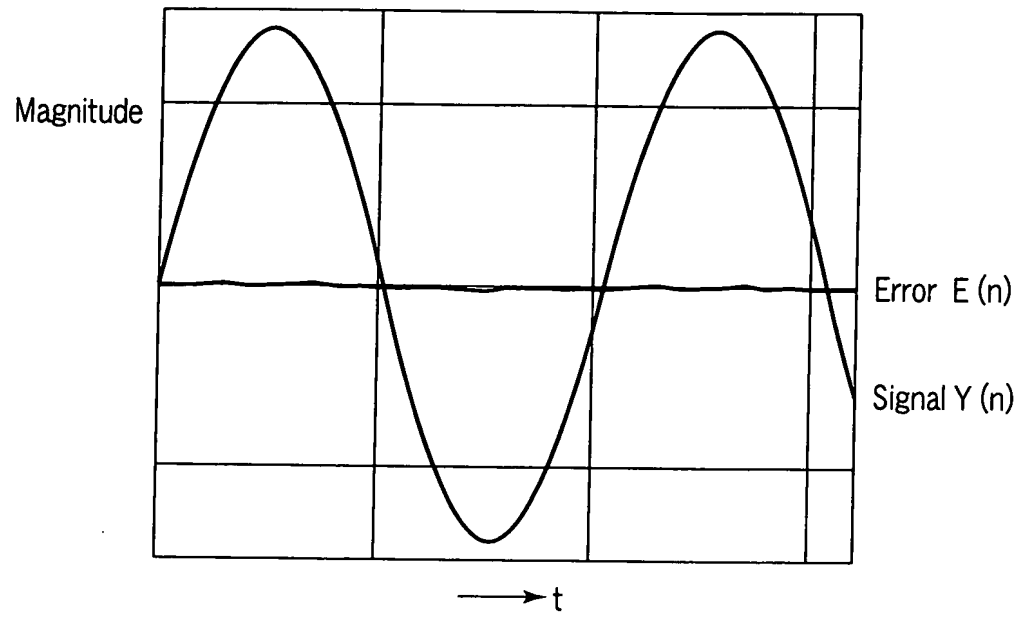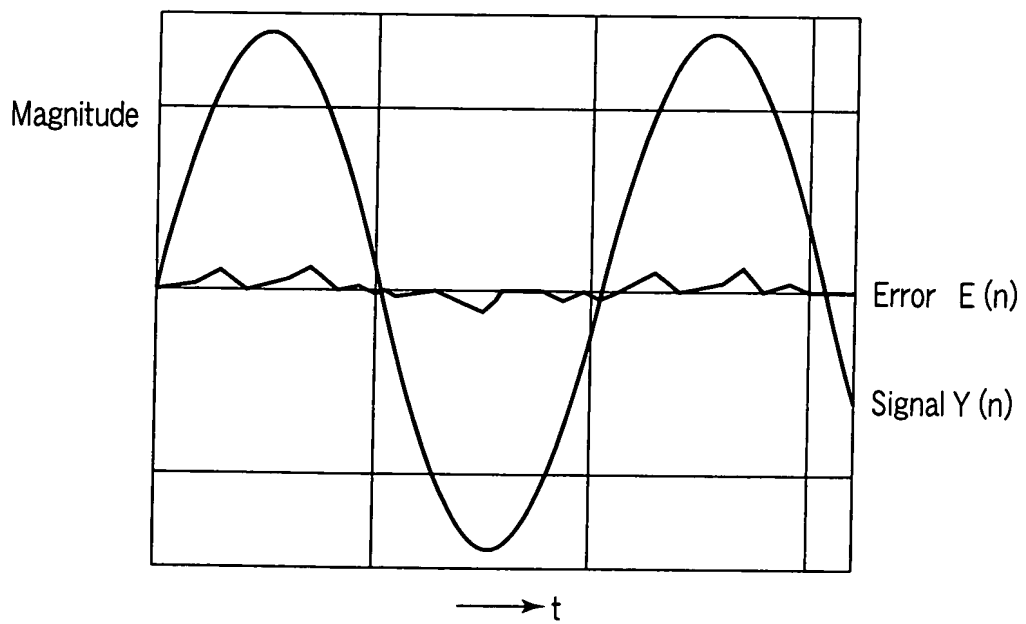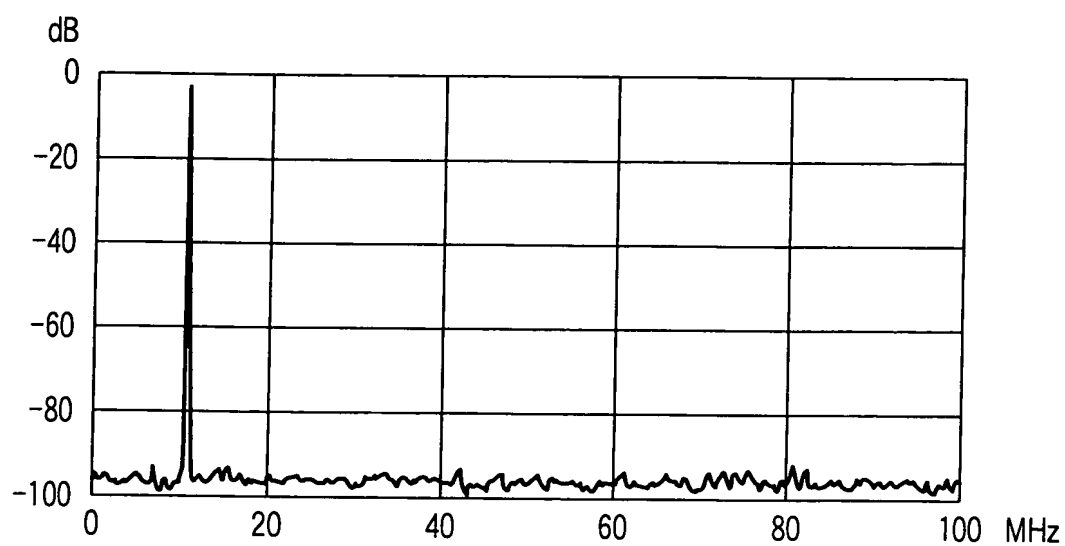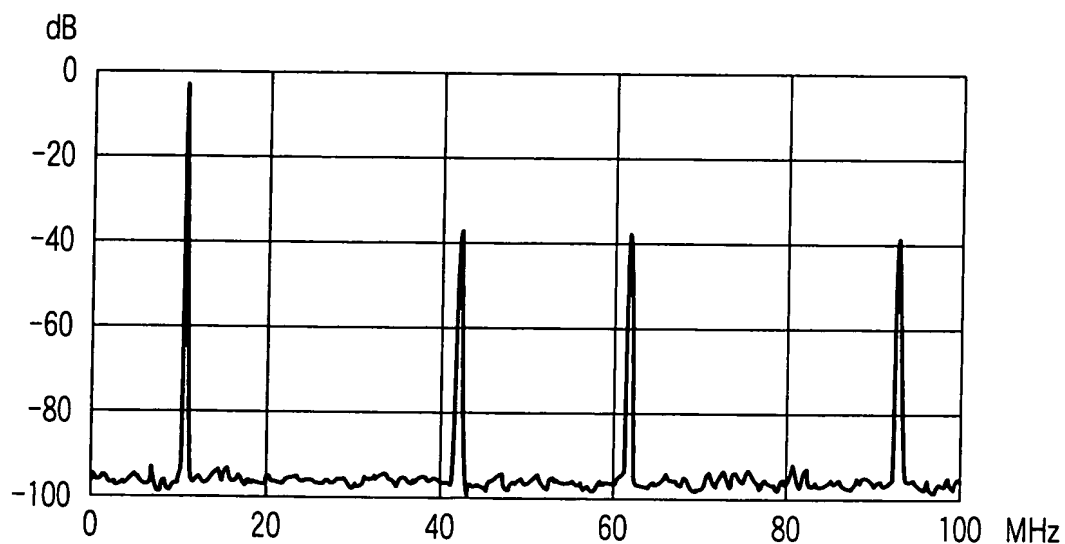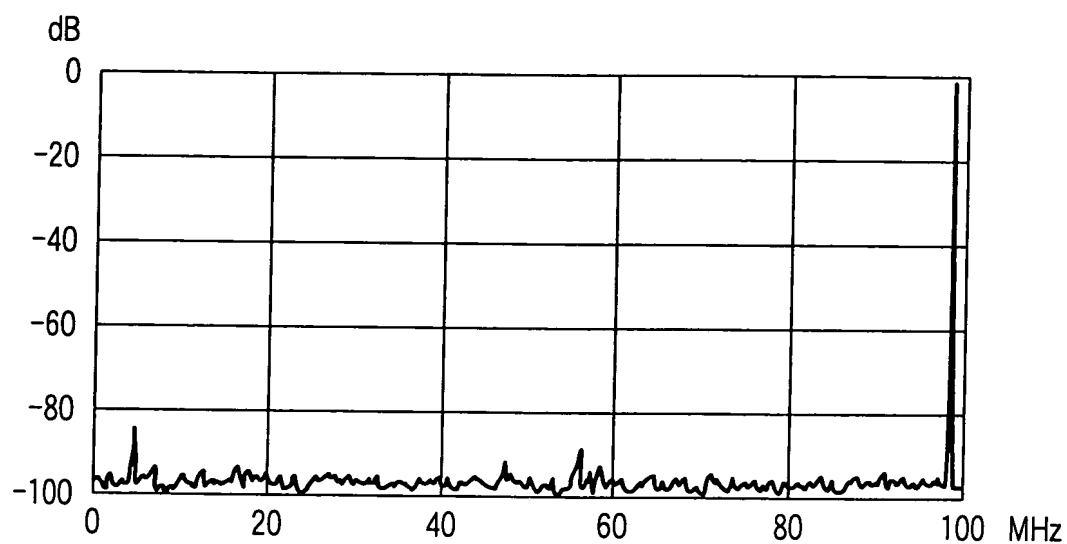F I G. 18A

F I G. 18B (PRIOR ART)

F I G. 19A

F I G. 19B (PRIOR ART)

F I G. 20

x_0 → [Analog-to-digital converter 12_0] → X_0

x_1 → [Analog-to-digital converter 12_1] → X_1

x_{N-1} → [Analog-to-digital converter 12_{N-1}] → X_{N-1}
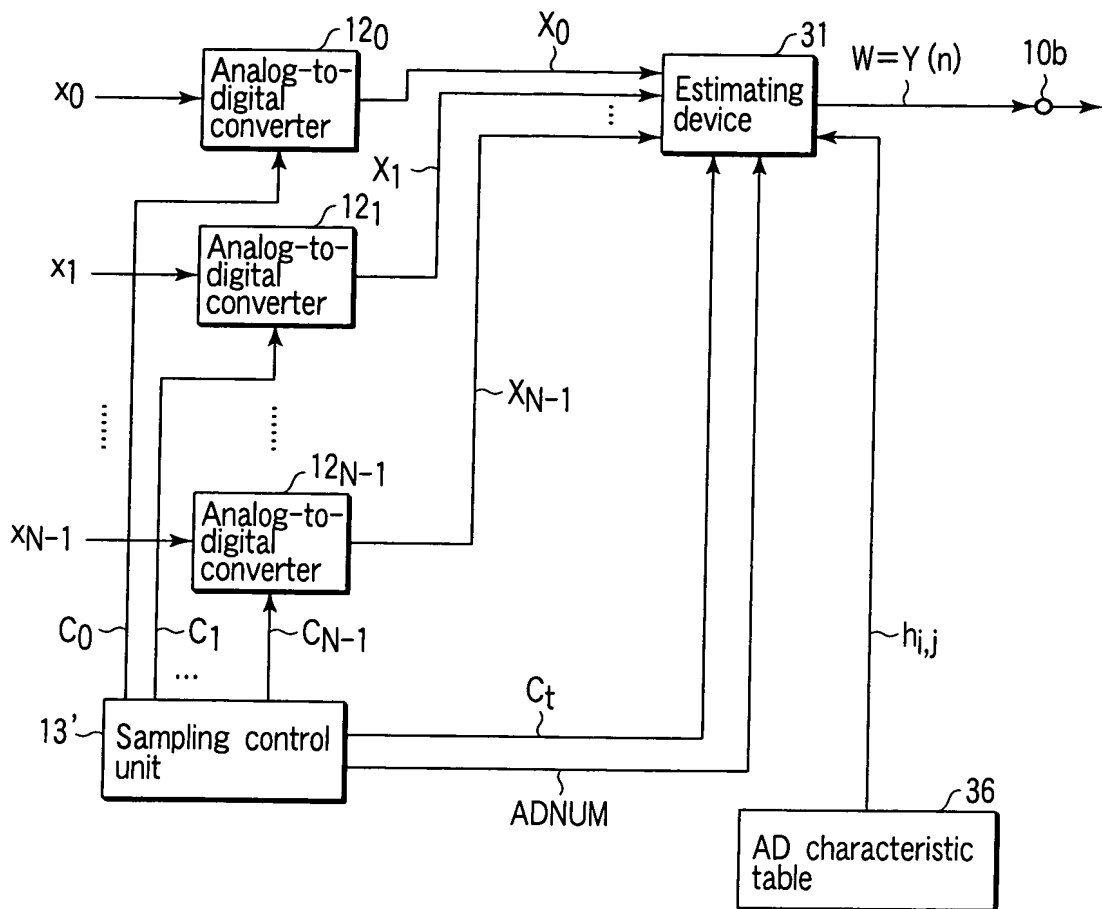
C_0 C_1 C_{N-1}

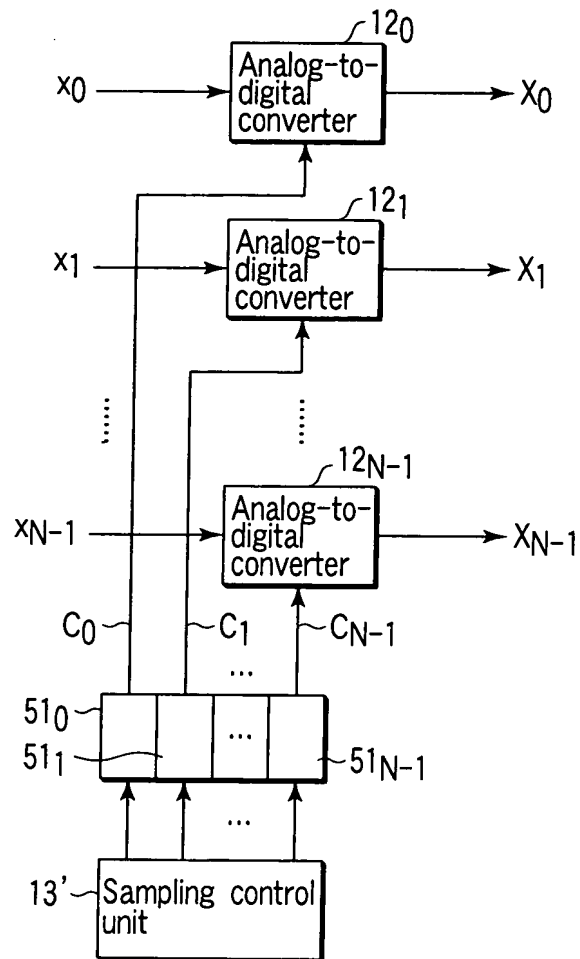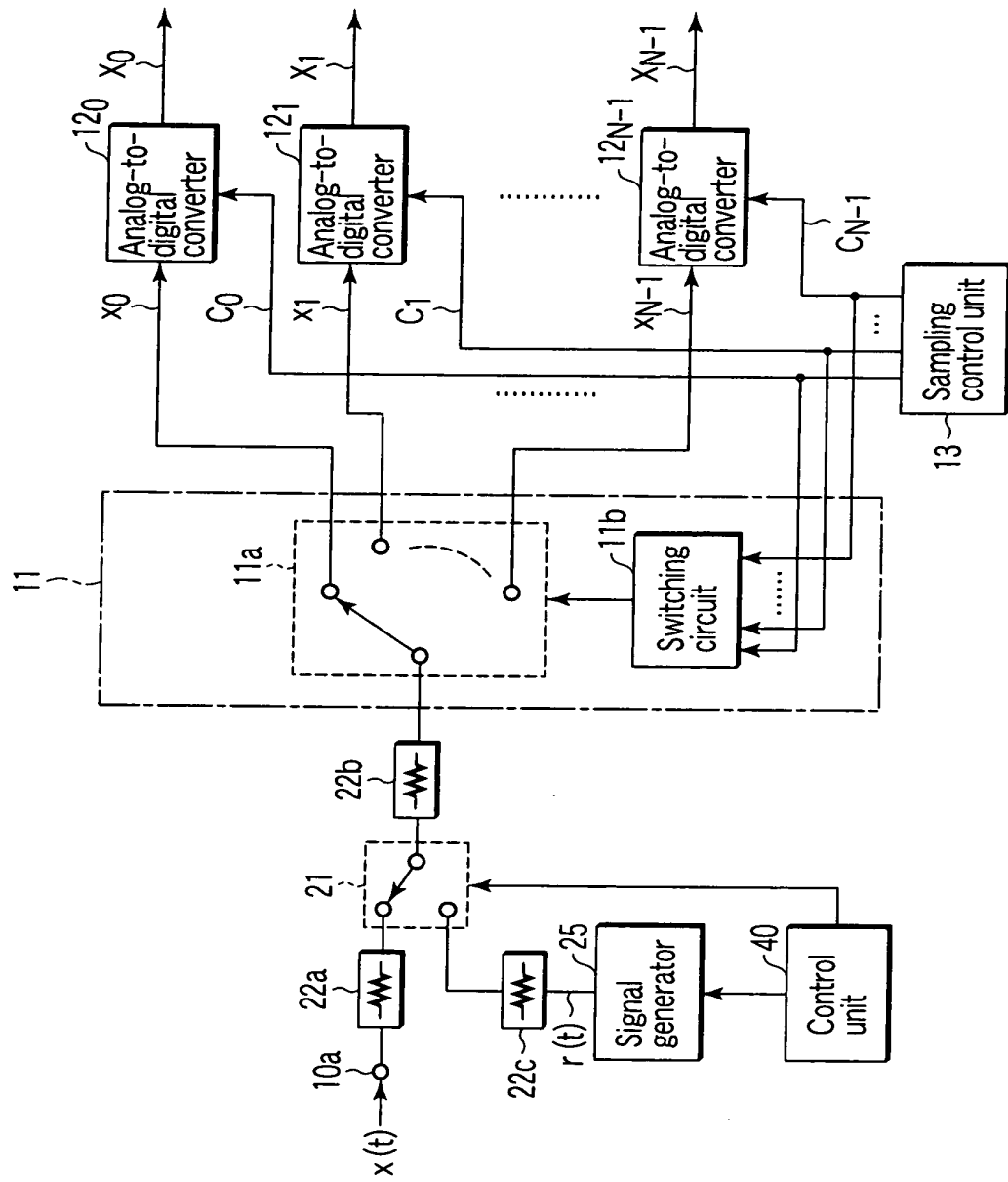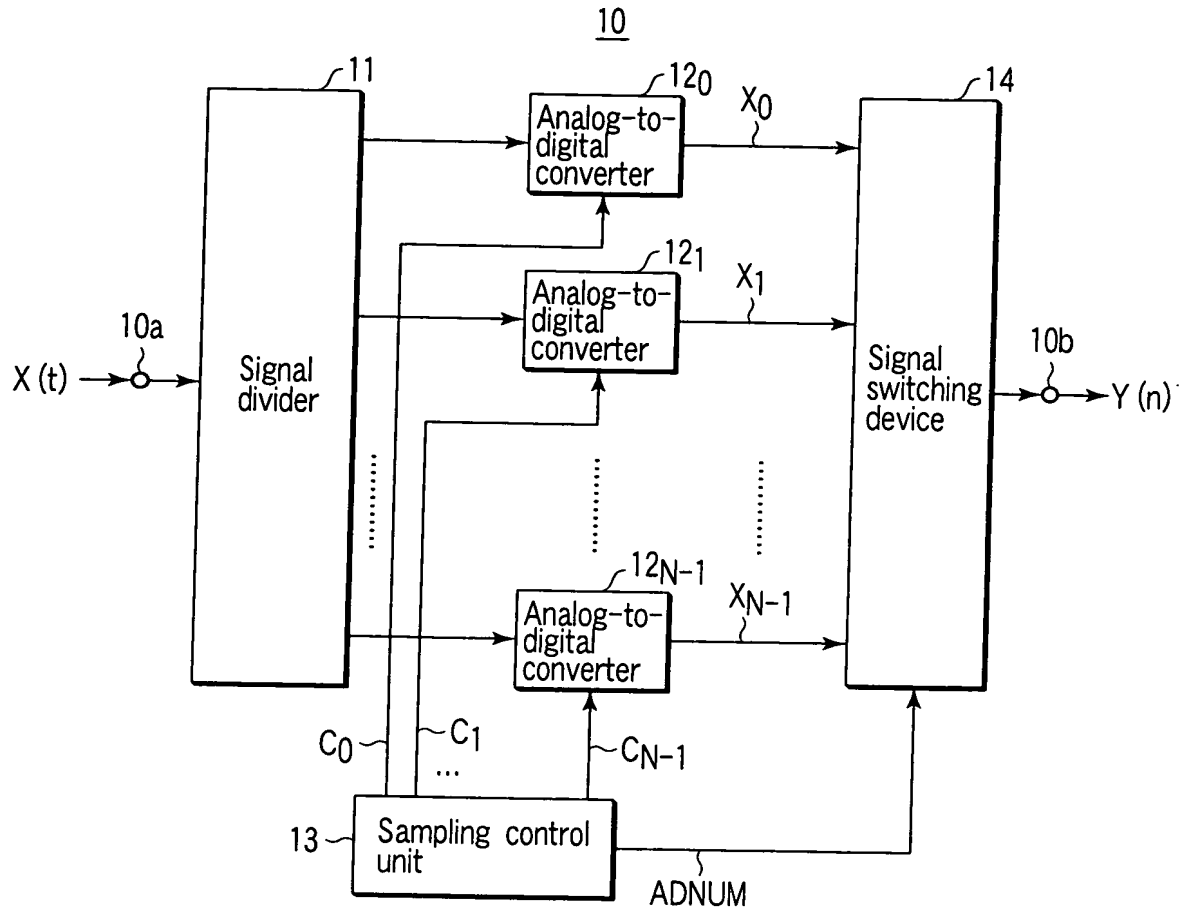51_0 51_1 ... 51_{N-1}

$13'$ — [Sampling control unit]
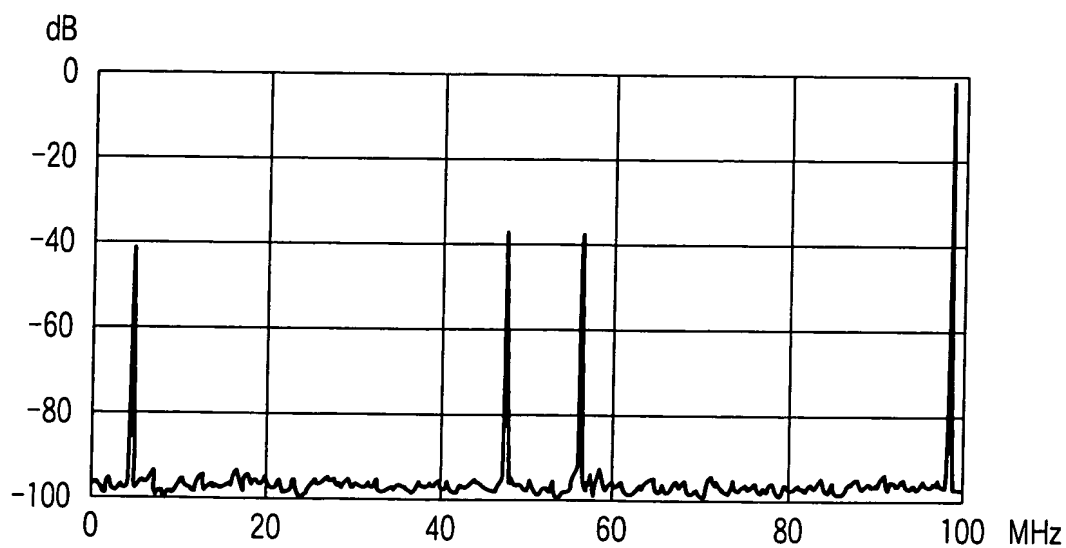
F I G. 21

F I G. 22

F I G. 23 (PRIOR ART)

F I G. 24 (PRIOR ART)